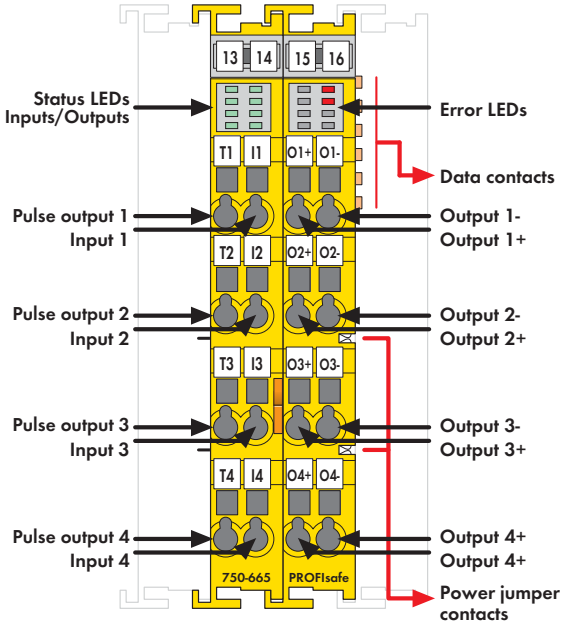
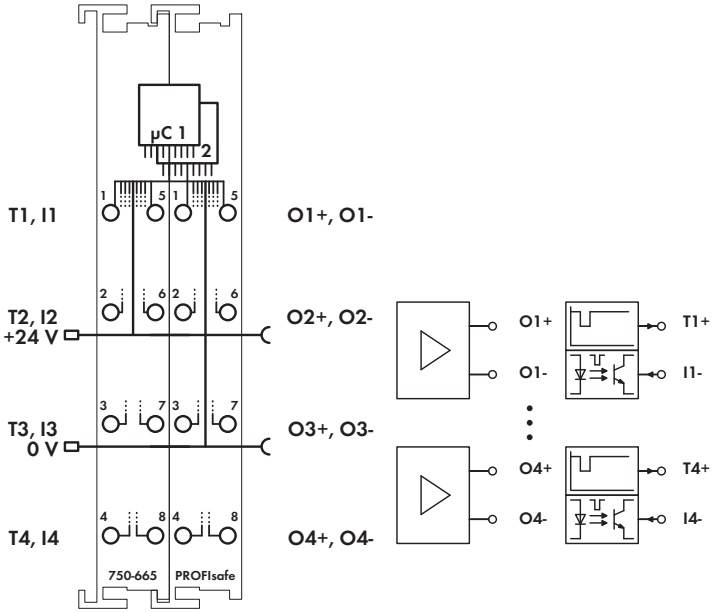
4-Channel Digital Input and Output Module PROFIsafe V1.3



Delivery without Mini WSB marker



The 750-665/000-001 PROFIsafe Input and Output Module has 4 power outputs (O1 ... O4) and 4 pulse inputs (I1 ... I4) that are supplied by 4 different pulse outputs (T1 ... T4). The pulse outputs are short circuit proof. The inputs are constantly monitored for short circuits and supply voltage from separate sources. A green LED for each of the 4 input and the 4 output channels indicates the signal state, 2 red LEDs indicate internal or external errors. The address switch at the side of the module is used to set the PROFIsafe address. The fieldside and internal system are electrically isolated.Any configuration of the modules is possible when designing the fieldbus node. Grouping of module types is not necessary. Reference the product manual for further information.

Description	Item no.	Pack. unit
4FDO 0.5A, 4FDI 24V DC PROFIsafe V1.3	**750-665/000-001**	1

Accessories		Item no.	Pack. unit
Miniature WSB quick marking system,			
	plain	**248-501**	5
	with marking	see pages 256 ... 257	

Standards and Approvals

Series 750	
Basic standard safety applications	IEC 61508, EN 954-1
Conformity marking	CE
UL 508	
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4
EN 60079-15	I M2 / II 3 GD Ex nA nL IIC T4

Technical Data

Inputs	I1 ... I4; pulse inputs (T1 ... T4)
Achievable safety classes	4 x Cat. 2/SIL 2 or 2 x Cat. 4/SIL 3
Outputs	O1 ... O4: outputs for actuators
Achievable safety classes	4 x Cat. 2/SIL 2 or 2 x Cat. 4/SIL 3
Voltage via power jumper contacts	DC 24 V (-15 % ... +20 %)
Current via power jumper contacts (max.)	DC 10 A
Reactance (max.)	capacitive reactance 2 nF;
	category DC 13
Response times (min ... max) Inputs	t_{on} (H->L) = 13 ms ... 71 ms
	t_{off} (H->L) = 13 ms ... 26 ms
	plus 2 x runtime internal bus
	plus 2 x runtime coupler - PLC
	plus runtime PLC
Response times (max.) Outputs	t_{on} (H->L) = 13 ms
	t_{off} (H->L) = 13 ms
	plus 2 x runtime internal bus
	plus 2 x runtime coupler - PLC
	plus runtime PLC
Swiching frequency $_{max.}$	
resistive load	5 Hz
inductive load acc. to IEC947-5-1,	0.1 Hz, 5 Hz with free-wheeling diodes
Proof test interval	10 years
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Stripped lengths	8 ... 9 mm / 0.33 in
Width	24 mm
Weight	98 g
EMC CE-Immunity to interference	acc. to EN 61000-6-2 (2001)
EMC CE-Emission of interference	acc. to EN 61000-6-3 (2001)

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